2007 UPDATE TO THE STATE OF MONTANA MULTI-HAZARD MTIGATION PLAN AND STATEWIDE HAZARD ASSESSMENT

APPENDIX B DISTRICT 1 DOCUMENTATION

Meeting Sign-in Sheets Meeting Minutes Survey Results Mitigation Projects

NORTHWEST MONTANA JURISDICTIONS

Deer Lodge County
Flathead County
Flathead Reservation
Granite County
Lake County
Lincoln County
Mineral County
Missoula County
Powell County
Ravalli County
Sanders County
Silver Bow County

2007 UPDATE TO THE STATE OF MONTANA MULTI-HAZARD MTIGATION PLAN AND STATEWIDE HAZARD ASSESSMENT

Meeting Sign-in Sheets

DATE: 3/13/07 Courthouse Run 201 LOCATION: MISSOULA - DISTRICT /

Name	Affiliation/Title	Miles Traveled Round Trip to Attend Meeting	E-mail Address or Phone No.	
Daphne Digrindakis	TetraTech	NA	depline digrindalis eterrated	la . Corn
KENT ATWOOD	MT- DES	NA	Ka twood @ not gov	
LARRY B. AKERS	TETRA TECH	NA	alpha 6@ ixi. NoT	
Jay Shaffer	MISSOULA CATY AIRPORT AUTU.	NA	Ishaffer Omograpon +. org	
Art Robinson	MT ONRC - Dam Safety	300	arobinson EMT.gov	
ByRON VAN Abtow	Aplee Fire Department	54	KU3051@ blackfoot.vet	
Laurn Hendrix	Romalli County	102	Therdix @ railli com try me	T 956
PATRICK O'HERREN	Mola Co Rural factioties	Q.	Poherrene co. Missoula. W.T. O	
Leanne Vreeland	Msla Cty Health Dept	, was a second	vreelandloho, mssoula n	1,05
CURT BELTS	MISSOULA RURAL FLRE DIS		C be 1+S@ MRPS FIRE. ORG	
Jean Curtiss	Missoula County Commission	/	jeurtiss@co.missoula.mt.us	
	,			

Meeting State Time: 9:00 AM

Meeting End Time: 1120M

DATE: 3/13/07 Courthouse 201

LOCATION: MISSOULE - DISTAICT #1

Name	Affiliation/Title	Miles Traveled Round Trip to Attend Meeting	E-mail Address or Phone No.
Colleen Tonce	Red Cross - Program Special	ist Ø	tonec@usa. RedCROSS. ORg
Joe Brehm	Red Cross - VISTA ordinten	0	BrehmJo usa redcross, ora
Peter Felsel	Warning Coordination Met/NWS	2	peter felschonoaagu
Deb Ogden	9-1-1/manager	112	dagdence comissonia mr. 45
Jason Diell	Missoul-City Fire Det	Ø	idial Cci missoura into
Barbara loan	Gormandanieman Missoula	- Carlo	
These Salley	Jand + Beverate Vender	1 black	343-lele 31
Daklowis	Missaula P.D.	1 Block	dLewis & Cl. MissoulA. Mt. Sls
Eddie D. PAtterson, Maj	. The Salvation Anny (C.O.)	1 Block	Eddie-Patterson QUSW.
Bob Reid	Missoula County DES	n/4	breid 8 co. missoula. mt. 49
	*		

Meeting State Time: 9:00 /m

Meeting End Time: //am

DATE: 3/13/07

LOCATION: POISON. District 1

Name	Affiliation/Title	Miles Traveled Round Trip to Attend Meeting	E-mail Address or Phone No.
Daphne Digrindakis	Tétra Tech	300	daphie digrindaliscotetated
KENT ATWOOD	MT- DES	300	Ketwood & urt. gor
LARRY B. AKERS	TETRA TECH	300	alpha 6@ ixi . reT
DARRELL STAFFORD	LIB/TECIE DES	400	sumpact@northerntelnet
Carla Danielson	LID/TODIE DES	400	rats-brat@hotmail.com
SALLY BUCKLES	JELL CO DES	300	
Linda Connor	FORT Peck - Kussevel+ Co	,	
W. Alec Cambet	For + Peck - Russwell Co.	AAA-AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
DICK CHAREST	AMERICAN RED CROSS P/R/R	· 232	REN CROSS. OR G
Robert Dos Rosser	Blackful Trum DES	300	ndrus 3 nurs. NIT
MARCM GALL	LINCOLM CO.	-47FP	LCEMACLIBBY, ORG.
PAUL SPENGLER	LOC CO DES	360	pspenglera

Meeting State Time: 1646

Meeting End Time: Co. lewis-clark.

DATE: 3 13 07

LOCATION: Polson

Name	Affiliation/Title	Miles Traveled Round Trip to Attend Meeting	E-mail Address or Phone No.
VALEDA VANDERSAME	RSVP CERT	2	883-0832
WAYNE VANDERSAME		2	863-0852
aris Spencer	Ft-Belkucep Trikes	400	353-3221
CLETEGREGORY	PONDERA CO/Dep DES	550	271-3138
SheriLanz	MT DES	340	891-39/1
Bichard A. Bussows	Liberty County	320	759-5717/
EdHUKEN	Big Horn	920	665-1731
BART BONNEY	GRANITE CO. DES	340	563-3268
Jolene Jacobson	CSRT DES	20	
Styphen Stanty	Loha CO OTEM	15	887-7257
	Flotherd County	100	758-5558
MARC MGICC	LIMCOLM Co.	300	293-6295/LCEMARLIES

Meeting State Time: 1646

Meeting End Time: 646 p.M

DATE: 3/13/07

LOCATION: POLSON, DISTRICT |

Name	Affiliation/Title	Miles Traveled Round Trip to Attend Meeting	E-mail Address or Phone No.	
Charlie Hanson	MI DES-DS Rep	800	desdist 5@intract	<i>f</i>
MARTHA SMITH	MT-DES-DIST REP		marsmittant.gov	
Bill Walgel	Landu Co OFM	186	Sandercooem & meturt.gov	
Bill Colwell	MslaRFD	130		Over
Exel Hall	um	7.140	earl, hall Qumontane	ر . وي

Meeting State Time: 1646

Meeting End Time: 6 46 pm

2007 UPDATE TO THE STATE OF MONTANA MULTI-HAZARD MTIGATION PLAN AND STATEWIDE HAZARD ASSESSMENT

Meeting Minutes

UPDATE TO THE STATE OF MONTANA PDM PLAN AND HAZARD ASSESSMENT PUBLIC MEETING MINUTES

Date: Tuesday, March 13, 2007 **Time:** 9:09 am – 11:00 am

Place: Room 201 of the Missoula County Courthouse, Montana

Meeting Attendance:

Jay Shaffer, Missoula County Airport Authority

Art Robinson, MT DNRC Dam Safety

Byron Van Alsten, Arlee Fire Department

Laura Hendrix, Ravalli County

Patrick O'Herren, Missoula County Rural Initiatives

Leanne Vreeland, Missoula County Health Department

Curt Belts, Missoula Rural Fire District

Jean Curtiss, Missoula County Commissioner

Colleen Tone, Red Cross Program Specialist

Joe Brehm, Red Cross VISTA Volunteer

Peter Felsch, Warning Coordinator MET/NWS

Deb Ogden, 911- Manager

Jason Diehl, Missoula City Fire Department

Barbara Gram, Missoula County Commissioner

Chase Sackey, Food and Beverage Vender

Dick Lewis, Missoula Police Department

Major Eddie D. Patterson, The Salvation Army (CO)

Bob Reid, Missoula County DES

Kent Atwood, State of Montana – DES

Larry Akers, Contractor

Daphne Digrindakis, Contractor

HAZARDS AFFECTING DISTRICT 1

Meeting Discussion on Hazards Affecting District 1

Possible addition of Communicable Disease hazard. It was noted that bird flu, measles, SARS, livestock diseases, etc. could impact the county's economy for up to six months. If people operating the infrastructure were stricken by disease, services could fail.

ASSESSMENT OF HAZARDS – DISTRICT 1

Drought

Lincoln – Not Assessed Flathead – Low Sanders – Low Lake – Low Mineral – Not Assessed

Missoula – Change from Not Assessed to High

Ravalli – Not Assessed

Granite – Medium

Powell – Low

Deer Lodge – High

Silver Bow – Medium

Flathead Reservation - Low

Missoula County requested an upgrade to high risk due to the increasing number of subdivisions, low snow packs and climate change. Wildfire, drought and flooding were named as the top three hazards in Missoula County.

Earthquake

Lincoln – Low

Flathead - Low

Sanders - Low

Lake – Low

Mineral – Low

Missoula – Change from Low to Medium

Ravalli – Low

Granite – Medium

Powell – Low

Deer Lodge – Low

Silver Bow – Low

Flathead Reservation - Low

Missoula County noted that their risk for earthquake is elevated due to their position on a fault line. The County also expressed concern over possibly failure of the Jocko lakes earthen dams. Additionally, the County is the economic center for the area and critical structures (like hospitals) need to be protected from seismic activity.

Flood

Lincoln – Medium

Flathead – Medium

Sanders – Low

Lake – Low

Mineral – Medium

Missoula – Change from Medium to High

Ravalli – Change from Medium to High

Granite – High

Powell - High

Deer Lodge - High

Silver Bow – Medium

Flathead Reservation – Low

Missoula County felt this hazard should be upgraded to high as global warming will probably change the climate. Ravalli County also requested their risk be upgraded to high as there are a large number of high hazard dams in the county.

Hazardous Material Incident

Lincoln – Medium

Flathead – Medium

Sanders - Not Assessed

Lake – Medium

Mineral – Medium

Missoula – Change from Not Assessed to High

Ravalli – Change from Not Assessed to Medium

Granite - Medium

Powell – Low

Deer Lodge – Medium

Silver Bow - Medium

Flathead Reservation - Low

Missoula County requested this risk be upgraded to high as many trains and hazardous materials move through the county. An observation of hazmat placards on rail cars and interstate vehicles identified a rough count of eight per hour.

Ravalli noted that their risk for a Hazardous Material Incident should be upgraded to medium. The Rocky Mountain Laboratory is located in the county and about one train per week passes through the area. Arlington was also noted as a chokepoint.

Landslide

Lincoln – Low

Flathead – Low

Sanders - Not Assessed

Lake – Not Assessed

Mineral – Medium

Missoula – Medium

Ravalli – Medium

Granite – Low

Powell-Low

Deer Lodge - Low

Silver Bow – Low

Flathead Reservation – Not Assessed

Missoula and Ravalli counties did not request any risk changes; however, they noted that many roads are poorly cut. This leads to more water runoff which leads to landslides. The steeply cut Highway 83 by Salmon Lake was cited as an example of this condition. Landslides are occurring near the highway.

Severe Thunderstorm, Hail, Wind and Tornadoes

Lincoln – Low

Flathead – Medium

Sanders – High

Lake – High

Mineral – High

Missoula – High

Ravalli – High

Granite – Medium

Powell – Low

Deer Lodge – Medium

Silver Bow - Medium

Flathead Reservation – Low

Missoula and Ravalli counties are both rated as high risk for Severe Thunderstorms, Hail, Wind and Tornadoes. It was noted that mini twisters are occurring in the area.

Terrorism and Violence

Lincoln – Low

Flathead – Low

Sanders – Medium

Lake – Medium

Mineral – Not Assessed

Missoula – Change from Not Assessed to Medium

Ravalli – Change from Not Assessed to Medium

Granite – Low

Powell – Low

Deer Lodge – Low

Silver Bow – Low

Flathead Reservation – Not Assessed

Missoula County requested the risk be upgraded to medium for this hazard, particularly for bioterrorism. Participants noted that the University acts as a lightening rod for bioterrorism activities. Additionally, the counter culture element, in the north part of the County, and the Ruckus Society in Missoula could be a threat based on past occurrences. Sporting events are also considered to be an opportunity for violence.

Ravalli County also felt that they were at a medium risk for Terrorism and Violence.

Volcanic Eruption

Lincoln – Not Assessed

Flathead – Not Assessed

Sanders – Not Assessed

Lake - Not Assessed

Mineral – Low

Missoula – Low

Ravalli – Low

Granite – Low

Powell - Not Assessed

Deer Lodge - Low

Silver Bow – Low

Flathead Reservation – Not Assessed

Both Missoula and Ravalli counties rated their risk for the Volcanic Eruption hazard as low and no changes are necessary.

Wildfire

Lincoln – High

Flathead – High

Sanders – Not Assessed

Lake – High

Mineral – Medium

Missoula – Change from Medium to High

Ravalli – Change from Medium to High

Granite – High

Powell – Not Assessed

Deer Lodge – High

Silver Bow - Medium

Flathead Reservation – High

Missoula and Ravalli counties noted that their risk for Wildfire should be upgraded from medium to high.

Winterstorm

Lincoln – Medium

Flathead - High

Sanders – High

Lake – High

Mineral – High

Missoula – High

Ravalli – High

Granite – Medium

Powell – Low

Deer Lodge – Medium

Silver Bow - High

Flathead Reservation - Low

Some participants felt that the threat from Winterstorms would decrease with global warming, except at high elevations. Others in the audience disagreed and identified rain on snow events as a significant factor for flooding in both counties.

ASSESSMENT OF STATE GOALS – DISTRICT 1

- Goal 1: Maximize the use of mitigation actions that prevent losses from all hazards.
- Goal 2: Increase State's capability to provide mitigation opportunities.

Goal 3: Mitigate the potential loss of life and property from flooding.

Missoula County noted that removal of the Milltown Dam would change inundation areas of the mostly private downstream dams below. Consequently, private dam owners would need to update. Additionally, the priority rating of the mitigation project that concerned the adoption of regulations that enforced no-build zones in floodplains and flood prone zones should be upgraded from moderate to high.

Ravalli County has not finished the stream mapping project (only Bitterroot is mapped) and the priority remains high. The priority for the project that identifies critical access bridges should be changed from moderate to high.

Goal 4: Reduce the community impacts of wildland and rangeland fires.

Missoula County has finished the mitigation projects that concern mapping of heavy fuel areas and completion of the CWPP.

Goal 5: Reduce potential earthquake losses in Western Montana.

No projects listed for Missoula or Ravalli counties.

Goal 6: Minimize economic impacts of drought.

Goal 7: Reduce impacts from severe winter weather.

No projects listed for Missoula or Ravalli counties.

Goal 8: Encourage mitigation of potentially devastating but historically less frequent hazards.

No projects listed for Missoula or Ravalli counties.

OTHER COMMENTS

Participants inquired if the DNRC could provide funding for dam failure early warning systems. Under certain circumstances, funding is available.

Missoula County inquired if there was a program that the State could enforce that helped counties prevent building in the floodplains and Wildland Urban Interface.

Missoula and Ravalli counties also felt state goals 3 (flood) and 4 (wildfire) should receive a higher priority and possibly be grouped together. Hazardous Material Incidents should also be grouped with high risk hazards. It was suggested that all other hazards be grouped together under Goal 8.

UPDATE TO THE STATE OF MONTANA PDM PLAN AND HAZARD ASSESSMENT PUBLIC MEETING MINUTES

Date: Monday, March 13, 2007 **Time:** 4:46 pm – 6:46 pm **Place:** Polson, Montana

Meeting Attendance:

Valeda VanDerSande, RSVP/CERT Wayne VanDerSande, RSVP/CERT Avis Spencer, Ft. Belknap Tribes Clete Gregory, Pondera County DES Sheri Lanz, MT DES

Richard A. Burrows, Liberty County

Ed Auker, Big Horn

Bart Bonney, Granite County DES

Jolene Jacobson, CSRT DES

Stephen Stanley, Lake County OTEM

Mark Peck, Flathead County

Marc McGill, Lincoln County

Charlie Hanson, MT DES District 5 Rep

Martha Smith, MT DES District 1 Rep

Bill Volgel, Sanders County OEM

Bill Colwall, Missoula Rural Fire District

Earl Hall, University of Montana

Darell Stafford, Liberty County/Toole County DES

Carla Danielson, Liberty County/Toole County DES

Sally Buckles, Jefferson County DES

Linda Connor, Fort Peck - Roosevelt County

Wilfred Lambert, Fort Peck - Roosevelt County

Dick Charest, American Red Cross R/R/R

Robert DesRosier, Blackfeet Tribe DES

Marc McGill, Lincoln County

Paul Spengler, Lewis and Clark County DES

Kent Atwood, State of Montana – DES

Larry Akers, Contractor

Daphne Digrindakis, Contractor

ASSESSMENT OF HAZARDS

Drought

Big Horn – High Carter – High

Blackfeet Reservation – Change from Medium to High

Participants noted that drought should be rated higher in a couple counties and the Blackfeet Reservation. It was inquired if the BIA would buy into the State PDM Plan and a suggestion was made to invite this agency to the April 19th stakeholder meetings in Helena. It was also observed that the perception of drought risk has changed over time.

Earthquake

Lincoln – Change from Low to Medium

Flathead – Change from Low to Medium

Sanders – Change from Low to Medium

Lake – Change from Low to Medium

Mineral – Change from Low to Medium

Missoula – Medium

Ravalli – Change from Low to Medium

Granite – Medium

Powell – Change from Low to Medium

Deer Lodge – Change from Low to Medium

Silver Bow - Change from Low to Medium

Lewis & Clark – Change from Medium to High

Flathead Reservation - Change from Low to Medium

District 1 was observed to have overall low risk ratings for the earthquake hazard and it was suggested that this should be reconsidered. Participants suggested that other hazards, like severe weather, are a higher risk to the population. People are apathetic to earthquakes because they occur infrequently. It was suggested that the earthquake hazard be reviewed at the stakeholders meeting in April.

Flood

Lincoln – Change from Medium to High

Missoula – High

Pondera – Change from High to Medium

Participants observed that counties in District 1 have low, medium and high risk for flooding. Lincoln County had a long period without flooding but will update the risk as flooding has recently occurred. Pondera County had a major flood in 1964; however, the threat of flood is not high anymore and the risk should be considered medium. Most of the state shows that local plans have a high risk for flood.

Hazardous Material Incident

Lewis & Clark – Change from Low to Medium

Missoula – High

Sanders – Change from Medium to High

Mineral - Change from Medium to High

Fort Peck Reservation - Change from Medium to High

Flathead Reservation – Change from Low to Medium

Glacier - Change from Not Assessed to Medium

It was observed that some local plans only considered natural hazards and that some recent plans have included the Hazardous Material Incident hazard. Participants noted that Lewis & Clark should be upgraded to medium risk and Sanders, Missoula and Mineral counties should be upgraded to high risk. The Fort Peck Reservation should also be at high risk as oil wells have contaminated water supplies. It was also observed that in Cascade County, Malmstrom has a hazmat collection system that needs to be considered. However, the Cascade County PDM is incomplete and hasn't been submitted to the state. It was suggested that the State PDM Plan overlay transportation corridors onto the HAZMAT hazard map to identify high areas of risk. It was also noted that Lake County and the Flathead Reservation should have the same hazard risks as they occupy the same territory. The same was said of the Blackfeet Reservation and Glacier County.

Landslide

Lincoln – Change from Low to Medium
Flathead – Change from Low to Medium
Big Horn – Medium
Lake – Change from Not Assessed to Medium
Sanders – Change from Not Assessed to Medium

Participants felt that Lincoln, Big Horn, Flathead, Lake and Sanders counties should be upgraded to medium risk. It was noted that a landslide into Big Horn Lake could cause a large seich and/or dam failure.

Severe Thunderstorms, Hail, Wind and Tornadoes

Lincoln – Change from Low to High Flathead – Change from Medium to High Fort Belknap Reservation - Change from Low to High

Participants discussed the need to upgrade the risk for Lincoln and Flathead counties and the Fort Belknap Reservation to high.

Terrorism and Violence

No change.

Volcanic Eruption

No change, but it was noted that ashfall from Cascades is still a hazard.

Wildfire

It was noted that entire state should be classified as high hazard.

Winterstorms

Lewis & Clark – Change from Low to Medium Lincoln – Change from Medium to High

Changes were suggested for Lewis & Clark and Lincoln counties.

ASSESSMENT OF STATE GOALS

- Goal 1: Maximize the use of mitigation actions that prevent losses from all hazards.
- Goal 2: Increase State's capability to provide mitigation opportunities.
- Goal 3: Mitigate the potential loss of life and property from flooding.

Goal 4: Reduce the community impacts of wildland and rangeland fires.

The counties felt that more money should be spent on wildfire than flooding. Additionally, drought should be associated with wildfire hazard and wildfire associated with drought hazard.

- Goal 5: Reduce potential earthquake losses in Western Montana.
- Goal 6: Minimize economic impacts of drought.
- **Goal 7: Reduce impacts from severe winter weather.**

Goal 8: Encourage mitigation of potentially devastating but historically less frequent hazards.

Counties felt that Hazardous Materials Incident should be a separate goal. The state legislature does not properly support state HAZMAT teams. The hazards grouped together under this goal should be separate if they are considered to be high risk. Severe Thunderstorms, Hail, Wind and Tornadoes should also be a separate hazard.

OTHER COMMENTS

The money spent for response and recovery should consider goal priority.

Goal should be correlated with risk rating.

2007 UPDATE TO THE STATE OF MONTANA MULTI-HAZARD MTIGATION PLAN AND STATEWIDE HAZARD ASSESSMENT

On-Line Survey Results

What jurisdiction type do you represent?			
		Response Percent	Response Count
Federal		12.1%	4
State		3.0%	1
County		42.4%	14
Tribal		3.0%	1
Public Utility		12.1%	4
General Public		12.1%	4
Other (please specify)		30.3%	10
	answere	d question	33
	skippe	ed question	0

What County/Tribal Community do you represent or as a private citizen where do you live?		
	Response Percent	Response Count
Blackfeet	0.0%	0
Crow	0.0%	0
Flathead	9.1%	3
Fort Belknap	0.0%	0
Fort Peck	0.0%	0
Northern Cheyenne	0.0%	0
Rocky Boy's	0.0%	0
Beaverhead	0.0%	0
Big Horn	0.0%	0
Blaine	0.0%	0
Broadwater	0.0%	0
Carbon	0.0%	0
Carter	0.0%	0
Cascade	0.0%	0
Chouteau	0.0%	0
		Page 1

Custer	0.0%	0
Daniels	0.0%	0
Dawson	0.0%	0
Deer Lodge	3.0%	1
Fallon	0.0%	0
Fergus	0.0%	0
Flathead	6.1%	2
Gallatin	0.0%	0
Garfield	0.0%	0
Glacier	0.0%	0
Golden Valley	0.0%	0
Granite	0.0%	0
Hill	0.0%	0
Jefferson	0.0%	0
Judith Basin	0.0%	0
Lake	3.0%	1
Lewis And Clark	0.0%	0
Liberty	0.0%	0
Lincoln	3.0%	1
Madison	0.0%	0
McCone	0.0%	0
Meagher	0.0%	0
Mineral	0.0%	0
Missoula	27.3%	9
Musselshell	0.0%	0
Park	0.0%	0
Petroleum	0.0%	0
Phillips	0.0%	0
Pondera	0.0%	0
Powder River	0.0%	0
Powell	0.0%	0

Prairie		0.0%	0
Ravalli		48.5%	16
Richland		0.0%	0
Roosevelt		0.0%	0
Rosebud		0.0%	0
Sanders		0.0%	0
Sheridan		0.0%	0
Silver Bow		0.0%	0
Stillwater		0.0%	0
Sweet Grass		0.0%	0
Teton		0.0%	0
Toole		0.0%	0
Treasure		0.0%	0
Valley		0.0%	0
Wheatland		0.0%	0
Wibaux		0.0%	0
Yellowstone		0.0%	0
Other		0.0%	0
	answered question		33
	skippe	d question	0

Have you seen or read the State of Montana Multi-Hazard Mitigation Plan and Statewide Hazard Assessment.			
		Response Percent	Response Count
Yes		54.6%	18
No		45.5%	15
	answere	ed question	33
skipped question		0	

How would you rate the overall quality and content of the plan.			
		Response Percent	Response Count
1 - Poor		0.0%	0
2		12.5%	2
3 - Average		50.0%	8
4		43.8%	7
5 - Excellent		6.3%	1
	answere	d question	16
	skippe	ed question	17

Do you feel the plan accurately portrays natural and man-made hazards in Montana?			
		Response Percent	Response Count
Yes		87.5%	14
No		25.0%	4
	answer	ed question	16
	skipp	ed question	17

What improvements do you think cou	uld be made to the plan?	
		Response Count
		9
	answered question	9
	skipped question	24

From the perspective of the jurisdiction that you represent or permanently reside in, how do you perceive the risk to each of the following hazards: Risk is defined as the potential to affect people, environment, economy and property of your jurisdiction. High/Medium/Low for:

	High	Medium	Low	Rating Average	Response Count
Communicable Disease	38.1% (8)	42.9% (9)	19.0% (4)	1.81	21
Drought	28.6% (6)	57.1% (12)	14.3% (3)	1.86	21
Earthquake	40.0% (8)	45.0% (9)	15.0% (3)	1.75	20
Flooding/Dam Failure	52.4% (11)	38.1% (8)	9.5% (2)	1.57	21
Hazardous Material Incidents	42.9% (9)	47.6% (10)	9.5% (2)	1.67	21
Landslide	14.3% (3)	33.3% (7)	52.4% (11)	2.38	21
Terrorism/Violence	4.8% (1)	23.8% (5)	71.4% (15)	2.67	21
Thunderstorm Wind, Hail, and Tornadoes	33.3% (7)	52.4% (11)	14.3% (3)	1.81	21
Volcanic Eruption	4.8% (1)	9.5% (2)	85.7% (18)	2.81	21
Wildfire	85.7% (18)	14.3% (3)	0.0% (0)	1.14	21
Winter Storms/Avalanche	33.3% (7)	57.1% (12)	9.5% (2)	1.76	21
			answered	question	21
			question	12	

Please comment on the impact that for	uture development will have on the hazards listed from the perspective of you	r jurisdiction.
	Response Percent	Response Count
Communicable Disease	82.4%	14
Drought	88.2%	15
Earthquake	88.2%	15
Flooding/Dam Failure	94.1%	16
Hazardous Material Incidents	88.2%	15
Landslide	70.6%	12
Terrorism/Violence	82.4%	14
Thunderstorm Wind, Hail, and Tornadoes	64.7%	11
Volcanic Eruption	58.8%	10
Wildfire	94.1%	16
Winter Storms/Avalanche	82.4%	14
	answered question	17
	skipped question	16

l	Please prioritize the following proposed NEW goals for the State Plan Update by order of importance from the perspective of your ju
ı	(1=highest / 10=lowest):

	High				Medium					Low	Rating Average
Maximize the Use of Mitigation Actions that Prevent Losses from All Hazards	44.4% (8)	5.6% (1)	27.8% (5)	5.6% (1)	5.6% (1)	0.0%	11.1% (2)	0.0%	0.0%	0.0%	2.67
Increase State's Capability to Provide and Assist Locals with Mitigation Opportunities	41.2% (7)	17.6%	5.9% (1)	0.0%	29.4% (5)	0.0%	5.9% (1)	0.0%	0.0%	0.0%	2.82
Reduce the Community Impacts of Wildland and Rangeland Fires	41.2% (7)	17.6% (3)	29.4% (5)	5.9% (1)	5.9% (1)	0.0%	0.0%	0.0%	0.0%	0.0%	2.18
Mitigate the Potential Loss of Life and Property from Flooding (riverine flooding, ice jams, dam failure)	11.8%	11.8%	0.0%	5.9% (1)	58.8% (10)	5.9% (1)	0.0%	0.0%	0.0%	5.9% (1)	4.47
Minimize Economic Impacts of Drought	0.0%	11.8% (2)	11.8% (2)	5.9% (1)	41.2% (7)	0.0%	17.6% (3)	5.9% (1)	5.9% (1)	0.0%	5.12
Reduce Impacts from Severe Summer Weather (thunderstorm wind, hail, tornadoes)	5.9% (1)	5.9% (1)	11.8%	5.9% (1)	29.4% (5)	5.9% (1)	5.9% (1)	17.6% (3)	11.8%	0.0%	5.47
Reduce Impacts from Severe Winter Weather (extreme cold, snow, ice)	5.9% (1)	17.6% (3)	0.0%	5.9% (1)	29.4% (5)	0.0%	17.6% (3)	11.8%	11.8%	0.0%	5.35
Reduce Potential Earthquake Losses in Western Montana	5.9% (1)	5.9% (1)	5.9% (1)	11.8%	29.4% (5)	0.0%	17.6% (3)	17.6% (3)	5.9% (1)	0.0%	5.47
Reduce Losses from Hazardous Material Incidents	27.8% (5)	0.0%	22.2%	0.0%	22.2% (4)	5.6% (1)	0.0%	16.7% (3)	0.0%	5.6% (1)	4.28
Encourage Mitigation of Potentially Devastating but Historically Less Frequent Hazards	11.8%	11.8%	0.0%	0.0%	29.4% (5)	0.0%	11.8%	23.5% (4)	11.8%	0.0%	5.59
									ans	swered	question
									S	kipped	question

Please indicate any additional Goals you think should be added to the State Plan.	
	Response Count
	6
answered question	6
skipped question	27

Goal: Maximize the use of mitigation	actions t	that prev	ent loss	es from a	ıll hazards	•					
	High				Medium					Low	Rating Average
Develop GIS databases of hazard risk maps and state buildings and infrastructure to use in mitigation planning	40.0% (6)	6.7% (1)	13.3% (2)	13.3% (2)	13.3% (2)	0.0%	6.7% (1)	6.7% (1)	0.0%	0.0%	3.13
Conduct Level 1 HAZUS-MH analyses for all Montana counties	6.7% (1)	6.7% (1)	13.3% (2)	26.7% (4)	33.3% (5)	0.0%	6.7% (1)	0.0%	0.0%	6.7% (1)	4.47
Improve Statewide HAZUS data	6.7% (1)	13.3% (2)	26.7% (4)	6.7% (1)	33.3% (5)	0.0%	6.7% (1)	0.0%	0.0%	6.7% (1)	4.20
Determine GPS locations of all State buildings for detailed, non-public analysis	13.3%	33.3% (5)	6.7% (1)	6.7% (1)	26.7% (4)	0.0%	6.7%	0.0%	0.0%	6.7% (1)	3.73
Conduct a non-public hazard assessment that utilizes specific State building locations and infrastructure locations to be used for mitigation actions and homeland security purposes	0.0% (0)	20.0%	20.0%	6.7% (1)	20.0% (3)	0.0%	20.0%	13.3% (2)	0.0%	0.0%	4.73
Promote earth science education of hazards in schools	33.3% (5)	6.7% (1)	6.7% (1)	6.7% (1)	33.3% (5)	0.0%	13.3% (2)	0.0%	0.0%	0.0%	3.53
Conduct a Statewide warning capability assessment	26.7% (4)	20.0%	6.7% (1)	20.0%	20.0%	0.0%	0.0%	6.7% (1)	0.0%	0.0%	3.20
Develop a Statewide All-Hazard Emergency Alert System (EAS) plan	73.3% (11)	0.0%	6.7% (1)	13.3%	6.7% (1)	0.0%	0.0%	0.0%	0.0%	0.0%	1.80
Continuously improve hazard assessments and the associated evaluation of vulnerabilities from all hazards.	20.0% (3)	13.3% (2)	20.0%	6.7% (1)	40.0% (6)	0.0%	0.0%	0.0%	0.0%	0.0%	3.33
Increase the public awareness of hazards	26.7% (4)	20.0%	13.3% (2)	13.3% (2)	20.0%	0.0%	0.0%	6.7% (1)	0.0%	0.0%	3.13
Enable every citizen in Montana to receive critical warning information immediately no matter where he/she is	53.3% (8)	6.7% (1)	6.7% (1)	6.7% (1)	20.0%	0.0%	0.0%	0.0%	0.0%	6.7% (1)	2.80
Increase readiness for the protection of life and property during an event	46.7% (7)	20.0%	6.7% (1)	6.7% (1)	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.33
									ans	swered	question

skipped question

Please write-in any specific mitigation projects related to this goal you feel should be added to the plan.									
	Response Count								
	5								
answered question	5								
skipped question	28								

	High				Medium					Low	Rating Average
Continue outreach of mitigation project funding opportunities	26.7% (4)	13.3% (2)	33.3% (5)	0.0%	20.0%	0.0%	0.0%	6.7% (1)	0.0%	0.0%	3.07
Provide technical assistance with the environmental review process	6.7% (1)	20.0%	26.7% (4)	0.0%	26.7% (4)	0.0%	6.7% (1)	6.7% (1)	0.0%	6.7% (1)	4.27
Provide technical assistance for project development	13.3% (2)	13.3% (2)	26.7% (4)	6.7% (1)	33.3% (5)	0.0%	0.0%	6.7% (1)	0.0%	0.0%	3.67
Create an electronic database of completed mitigation projects in Montana	6.7%	13.3%	6.7%	13.3%	33.3% (5)	6.7%	0.0%	6.7%	6.7%	6.7% (1)	4.93
Increase the scope and participation of the State Hazard Mitigation Team	6.7% (1)	33.3% (5)	13.3% (2)	6.7% (1)	20.0%	0.0%	6.7% (1)	6.7% (1)	0.0%	6.7% (1)	4.07
Create a private advisory group for mitigation	20.0%	13.3% (2)	13.3% (2)	6.7% (1)	13.3% (2)	6.7%	6.7% (1)	6.7% (1)	0.0%	13.3% (2)	4.53
Streamline mitigation standards in state and/or local subdivision regulations	14.3%	21.4%	21.4%	0.0%	28.6% (4)	0.0%	7.1% (1)	7.1% (1)	0.0%	0.0%	3.71
Strengthen state and/or local building codes	46.7% (7)	6.7% (1)	26.7% (4)	6.7% (1)	0.0%	0.0%	0.0%	6.7% (1)	0.0%	6.7% (1)	2.87
Require growth policies consider natural and man-made hazard	40.0% (6)	6.7% (1)	13.3% (2)	6.7% (1)	13.3% (2)	0.0%	6.7% (1)	13.3% (2)	0.0%	0.0%	3.40
Create a state funded grant program to assist with the 25% match for local governments	33.3% (5)	26.7% (4)	0.0%	6.7% (1)	13.3% (2)	0.0%	6.7% (1)	6.7% (1)	6.7%	0.0%	3.40
Coordinate local plan development	28.6% (4)	0.0%	21.4%	0.0%	28.6% (4)	0.0%	14.3%	7.1% (1)	0.0%	0.0%	3.93
Provide technical assistance with											

hazard mapping for rural communities without GIS capabilities	26.7% (4)	13.3% (2)	33.3% (5)	0.0%	6.7% (1)	6.7% (1)	0.0%	6.7% (1)	0.0%	6.7% (1)	3.47
											question question

Please write-in any specific mitigation	Please write-in any specific mitigation projects related to this goal you feel should be added to the plan.								
		Response Count							
		3							
	answered question	3							
	skipped question	30							

Goal: Mitigate the potential loss of life	e and pro	perty fro	m floodi	ng.							
	High				Medium					Low	Rating Average
Develop and improve upon model floodplain ordinances for local governments	21.4%	14.3%	7.1% (1)	21.4%	28.6% (4)	0.0%	0.0%	7.1% (1)	0.0%	0.0%	3.57
Develop mapping for unmapped flood prone areas	21.4% (3)	28.6% (4)	7.1% (1)	14.3% (2)	14.3% (2)	0.0%	7.1% (1)	7.1% (1)	0.0%	0.0%	3.36
Update floodplain mapping of mapped areas	14.3% (2)	28.6% (4)	0.0%	21.4% (3)	21.4%	0.0%	0.0%	7.1% (1)	0.0%	7.1% (1)	3.93
Establish a schedule for NFIP map reviews and updates	7.1% (1)	7.1% (1)	21.4%	7.1% (1)	35.7% (5)	0.0%	0.0%	7.1% (1)	0.0%	14.3% (2)	4.93
Provide outreach and technical assistance in joining the NFIP Community Rating System for reducing flood insurance premiums	7.1% (1)	14.3% (2)	7.1% (1)	28.6% (4)	35.7% (5)	0.0%	0.0%	7.1% (1)	0.0%	0.0%	4.07
Increase the public awareness of flood mitigation	28.6% (4)	21.4%	21.4%	7.1% (1)	14.3% (2)	0.0%	0.0%	7.1% (1)	0.0%	0.0%	2.93
Reduce the number of current and future structures in the floodplain	57.1% (8)	7.1% (1)	7.1% (1)	0.0%	14.3% (2)	14.3% (2)	0.0%	0.0%	0.0%	0.0%	2.50
Prevent flooding of structures and infrastructure from inadequate storm drainage and poorly designed irrigation waterways	35.7% (5)	7.1% (1)	21.4%	14.3% (2)	14.3% (2)	7.1% (1)	0.0%	0.0%	0.0%	0.0%	2.86
Provide adequate warning of flooding events	50.0% (7)	35.7% (5)	14.3% (2)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.64

answered question	
skipped question	

Please write-in any specific mitigation projects related to this goal you feel should be added to the plan.	
	Response Count
	2
answered question	2
skipped question	31

Goal: Reduce the community impacts	s of wildl	and and	rangelar	d fires.							
	High				Medium					Low	Rating Average
Reduce fuels in the wildland urban interface	64.3% (9)	7.1% (1)	7.1% (1)	0.0%	14.3% (2)	7.1% (1)	0.0%	0.0%	0.0%	0.0%	2.14
Reduce hazardous fuels in rangeland areas	42.9% (6)	7.1% (1)	7.1% (1)	14.3% (2)	7.1% (1)	0.0%	7.1% (1)	7.1% (1)	0.0%	7.1% (1)	3.50
Accurately assess and address the current wildland urban interface problems at the subdivision level	42.9% (6)	21.4%	14.3%	0.0%	21.4%	0.0%	0.0%	0.0%	0.0%	0.0%	2.36
Enhance firefighting resources and improve firefighting capabilities	50.0% (7)	7.1% (1)	14.3% (2)	14.3% (2)	14.3% (2)	0.0%	0.0%	0.0%	0.0%	0.0%	2.36
Enhance community awareness of wildfires through education	71.4% (10)	14.3% (2)	0.0%	7.1% (1)	7.1% (1)	0.0%	0.0%	0.0%	0.0%	0.0%	1.64
Enhance effectiveness of response and evacuation	42.9% (6)	14.3% (2)	14.3% (2)	14.3% (2)	14.3% (2)	0.0%	0.0%	0.0%	0.0%	0.0%	2.43
Establish mapping or record keeping practices to support fuel management strategies	28.6% (4)	21.4%	7.1% (1)	7.1% (1)	35.7% (5)	0.0%	0.0%	0.0%	0.0%	0.0%	3.00
Minimize human-caused ignition sources in fire-prone areas	35.7% (5)	14.3% (2)	7.1% (1)	0.0%	21.4%	7.1% (1)	7.1% (1)	0.0%	0.0%	7.1% (1)	3.57
Centralize fire history documentation	21.4% (3)	14.3% (2)	7.1% (1)	7.1% (1)	28.6% (4)	0.0%	0.0%	7.1% (1)	0.0%	14.3% (2)	4.43
Develop a consistent Statewide fire risk assessment system	21.4% (3)	28.6% (4)	14.3% (2)	7.1% (1)	14.3% (2)	0.0%	0.0%	7.1% (1)	0.0%	7.1% (1)	3.50
Encourage sustainable growth in wildland fire hazard areas	30.8% (4)	15.4% (2)	0.0%	7.7% (1)	23.1%	0.0%	0.0%	15.4% (2)	7.7% (1)	0.0%	4.00

answered question	
skipped question	

Please write-in any specific mitigation projects related to this goal you feel should be added to the plan.	
	Response Count
	4
answered question	4
skipped question	29

Goal: Reduce potential earthquake lo	osses in	Western	Montana	l.							
	High				Medium					Low	Rating Average
Goal: Reduce potential earthquake losses in Western Montana.	14.3% (2)	21.4%	0.0%	0.0%	28.6% (4)	14.3% (2)	7.1% (1)	0.0%	0.0%	14.3% (2)	4.79
Provide greater enforcement of current building codes	14.3% (2)	28.6% (4)	28.6% (4)	0.0%	21.4%	0.0%	7.1% (1)	0.0%	0.0%	0.0%	3.14
Develop model seismic building codes	0.0%	28.6% (4)	14.3% (2)	0.0%	35.7% (5)	7.1% (1)	7.1% (1)	0.0%	0.0%	7.1% (1)	4.43
Create stronger building standards for critical facilities and structures housing vulnerable populations	28.6% (4)	7.1% (1)	14.3%	7.1% (1)	21.4%	7.1% (1)	7.1% (1)	0.0%	0.0%	7.1% (1)	3.86
Require earthquake drills in schools in Western Montana	35.7% (5)	21.4% (3)	14.3% (2)	7.1% (1)	14.3% (2)	0.0%	0.0%	0.0%	0.0%	7.1% (1)	2.93
Expand and upgrade earthquake monitoring network and reporting capabilities	7.1% (1)	28.6% (4)	14.3% (2)	21.4%	28.6% (4)	0.0%	0.0%	0.0%	0.0%	0.0%	3.36
Continue "Earthquake Preparedness Month" outreach activities during the month of October	7.1% (1)	21.4%	7.1% (1)	14.3%	35.7% (5)	0.0%	0.0%	7.1% (1)	0.0%	7.1% (1)	4.36
Implement non-structural mitigation projects to harden State and community infrastructure from seismic hazards	14.3% (2)	7.1% (1)	21.4% (3)	14.3% (2)	42.9% (6)	0.0%	0.0%	0.0%	0.0%	0.0%	3.64
Seismically retrofit existing critical facilities and government assets	14.3% (2)	7.1% (1)	21.4% (3)	0.0%	35.7% (5)	14.3% (2)	0.0%	0.0%	0.0%	7.1% (1)	4.29
									ar	swered	question

skipped question

Please write-in any specific mitigation	n projects related to this goal you feel should be added to the plan.	
		Response Count
		0
	answered question	0
	skipped question	33

Goal: Minimize economic impacts of	drought.										
	High				Medium					Low	Rating Average
Develop a system for distributing information on current conditions	14.3% (2)	7.1% (1)	28.6% (4)	14.3% (2)	14.3% (2)	0.0%	0.0%	0.0%	0.0%	21.4%	4.57
Continue to support the State Drought Advisory Committee	21.4% (3)	14.3% (2)	21.4% (3)	7.1% (1)	7.1% (1)	14.3% (2)	0.0%	0.0%	0.0%	14.3% (2)	4.07
Install Statewide drought monitoring stations	14.3% (2)	21.4% (3)	14.3% (2)	7.1% (1)	14.3% (2)	7.1% (1)	0.0%	0.0%	0.0%	21.4% (3)	4.57
Use long-term groundwater monitoring to assess drought conditions	14.3% (2)	28.6% (4)	21.4%	7.1% (1)	7.1% (1)	0.0%	7.1%	0.0%	0.0%	14.3%	3.93
Educate farmers and ranchers in fiscally preventing drought losses	42.9% (6)	21.4%	21.4% (3)	0.0%	7.1% (1)	0.0%	0.0%	7.1% (1)	0.0%	0.0%	2.43
Educate farmers and ranchers in reducing physical losses during dry seasons	28.6% (4)	28.6% (4)	21.4% (3)	0.0%	7.1% (1)	0.0%	0.0%	7.1% (1)	0.0%	7.1% (1)	3.14
Identify water retention projects that could lessen the effects of drought	42.9% (6)	28.6% (4)	14.3% (2)	0.0%	7.1% (1)	7.1% (1)	0.0%	0.0%	0.0%	0.0%	2.21
									aı	nswered	question
										skipped	question

Please write-in any specific mitigation projects related to this goal you feel should be added to the plan.								
	Response Count							
	2							
answered question	2							
skipped question	31							

Goal: Reduce impacts from severe w	inter we	ather.									
	High				Medium					Low	Rating Average
Distribute winter driving and survival tips	14.3% (2)	28.6% (4)	14.3% (2)	0.0%	28.6% (4)	7.1% (1)	0.0%	0.0%	0.0%	7.1% (1)	3.71
Increase public awareness of winter weather hazards	21.4%	14.3% (2)	35.7% (5)	0.0%	21.4%	0.0%	0.0%	0.0%	0.0%	7.1% (1)	3.36
Create partnerships with utility companies and negotiate for shorten span distances between power poles to better withstand snow loads and severe storms	7.1% (1)	14.3% (2)	21.4% (3)	14.3% (2)	7.1% (1)	0.0%	0.0%	0.0%	7.1% (1)	28.6% (4)	5.43
Improve communication between emergency response personnel and road departments to facilitate coordination during extreme weather	42.9% (6)	21.4% (3)	21.4% (3)	0.0%	14.3% (2)	0.0%	0.0%	0.0%	0.0%	0.0%	2.21
Structurally analyze all buildings or rooms identified as shelters and strengthen these as necessary	14.3%	14.3%	21.4%	7.1% (1)	28.6% (4)	0.0%	0.0%	7.1% (1)	0.0%	7.1% (1)	4.07
									an	swered	question
strengthen these as necessary	(2)	(2)	(3)	(1)	(4)	(0)	(0)	(1)	an		

Please write-in any specific mitigation projects related to this goal you feel should be added to the plan.								
		Response Count						
		1						
	answered question	1						
	skipped question	32						

Goal: Reduce impacts from Severe S	ummer	Weather	thunde	erstorms	, wind, hai	l, torna	does)					
	High				Medium					Low	Rating Average	R
Install safety film on critical facilities to prevent shattering glass.	0.0%	14.3% (2)	28.6% (4)	14.3% (2)	21.4%	7.1% (1)	0.0%	0.0%	0.0%	14.3% (2)	4.64	
Encourage development and enforcement of wind resistant buildings and construction codes	7.7%	7.7% (1)	38.5% (5)	0.0%	30.8%	7.7%	0.0%	0.0%	0.0%	7.7% (1)	4.15	
Develop and implement programs to keep trees from threatening lives, property and public infrastructure during windstorm events	7.1% (1)	14.3% (2)	14.3% (2)	14.3% (2)	35.7% (5)	0.0%	0.0%	7.1% (1)	0.0%	7.1% (1)	4.43	
		answered question										
										skipped	question	

Please write-in any specific mitigation projects related to this goal you feel should be added to the plan.						
		Response Count				
		0				
	answered question	0				
	skipped question	33				

Goal: Reduce losses from Hazardous Material Incidents												
	High				Medium					Low	Rating Average	Res
Develop communication plan for hazardous material emergencies	42.9% (6)	35.7% (5)	14.3% (2)	0.0%	7.1% (1)	0.0%	0.0%	0.0%	0.0%	0.0%	1.93	
Enhance information capability on types of hazardous materials traveling transportation routes	42.9% (6)	21.4%	14.3% (2)	0.0%	7.1% (1)	0.0%	7.1%	0.0%	0.0%	7.1%	2.86	
Provide hazardous material training to emergency responders	42.9% (6)	42.9% (6)	14.3% (2)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.71	
Develop evacuation procedures for homes near transportation networks that commonly carry hazardous materials	42.9% (6)	35.7% (5)	7.1% (1)	7.1% (1)	7.1% (1)	0.0%	0.0%	0.0%	0.0%	0.0%	2.00	
	answered question											
	skipped question											

Please write-in any specific mitigation projects related to this goal you feel should be added to the plan.						
		Response Count				
		0				
	answered question	0				
	skipped question	33				

Goal: Encourage mitigation of potentially devastating but historically less frequent hazards.											
	High				Medium					Low	Rating Average
Identify and map areas of greatest landslide and avalanche potential	0.0%	7.1% (1)	14.3% (2)	0.0%	42.9% (6)	14.3% (2)	7.1% (1)	0.0%	0.0%	14.3% (2)	5.50
Create a landslide/avalanche technical committee	0.0%	7.1% (1)	21.4% (3)	7.1% (1)	21.4% (3)	7.1% (1)	0.0%	7.1% (1)	0.0%	28.6% (4)	6.00
Support the mitigation related goals, objectives, and actions of the Montana Homeland Security Strategic Plan	14.3% (2)	7.1% (1)	21.4%	7.1% (1)	21.4% (3)	0.0%	0.0%	14.3% (2)	0.0%	14.3% (2)	4.86
Reduce losses from communicable disease	21.4%	28.6% (4)	7.1% (1)	7.1% (1)	14.3% (2)	7.1% (1)	7.1% (1)	7.1% (1)	0.0%	0.0%	3.50
Increase awareness of risks from communicable disease	35.7% (5)	28.6% (4)	7.1% (1)	7.1% (1)	14.3% (2)	0.0%	0.0%	7.1% (1)	0.0%	0.0%	2.71
	answered question										
	skipped question										

Please write-in any specific mitigation projects related to this goal you feel should be added to the plan.						
	Response Count					
	0					
answered question	0					
skipped question	33					

Please indicate how long it took you to complete the survey.					
		Response Percent	Response Count		
5 minutes		0.0%	0		
10 minutes		28.6%	4		
15 minutes		21.4%	3		
20 minutes		14.3%	2		
30 minutes		28.6%	4		
Greater than 30 minutes		7.1%	1		
	answere	ed question	14		
	skippe	ed question	19		

Displaying 1 - 10 of 10 responses

<< Prev

Next >>

Jump To: 1

		Comment Text	Response Date
ଌ Find	1.	fire district	Wed, 6/20/07 9:30 AM
ଌ Find	2.	American Red Cross of Montana	Wed, 6/6/07 1:12 PM
ઢ Find	3.	Red Cross	Tue, 5/29/07 3:00 PM
🊨 Find	4.	Private Business	Fri, 5/25/07 8:09 AM
ଌ Find	5.	local gov't: fire district	Thu, 5/24/07 10:45 AM
ଌ Find	6.	Volunteer Ambulance Supervisor	Thu, 5/24/07 10:12 AM
ଌ Find	7.	municipal	Wed, 5/23/07 5:29 PM
ଌ Find	8.	Municipality	Wed, 5/23/07 3:44 PM
ଌ Find	9.	City	Wed, 5/23/07 2:22 PM
ଌ Find	10.	University	Wed, 5/23/07 1:41 PM
			10 responses per page

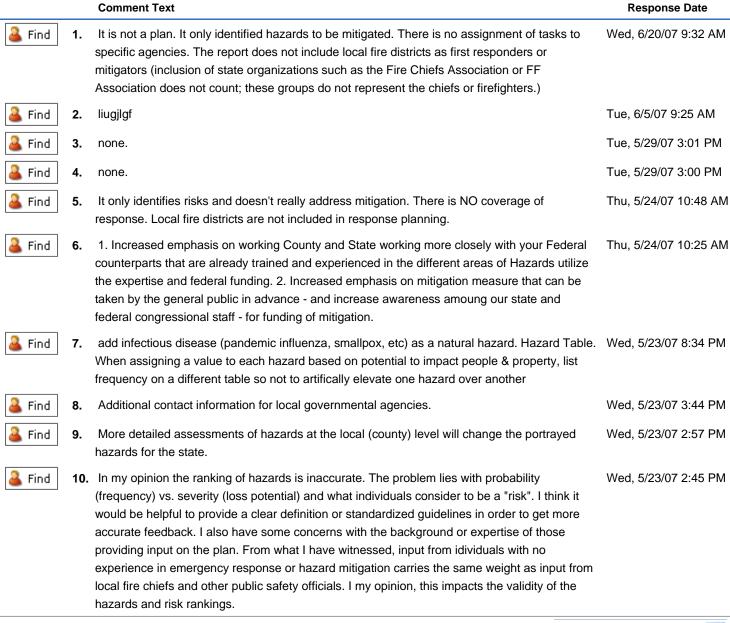
Displaying	1 - 10 of 10	responses
DISDIAVIII	1 - 10 01 10	ICONOLIOCO

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Jump To: 1

Go >>



10 responses per page

Distict 1 On-Line Survey - Suggested New Goals

close window

Displaying 1 - 6 of 6 responses

<< Prev

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Jump To: 1

Go >>

Comment Text Response Date 🌉 Find 1. I feel that the state should look at the economics of fire supression. Outsourcing fire Mon, 6/11/07 12:58 PM supression to a private interprize will prove to be more expensive in the future. In the past you needed dry conditions and an ignition source to start a forrest fire. With the evolution of fire

> supression being big business to the private sector, we now only need dry conditions to ensure a very active fire season. Human caused fires are at an all time high and I feel the government

will need to take the supression effort back into their own hands.

2. There should be a real push to empower communities to be as self-sufficient as possible on many levels, including food production, sustainable energy alternatives, and drinkable water supply in addition to just mitigating for possible disasters. There is a root to the root of the problems that come with coping with and recovering from disasters, and they should be included in the decision making process. Also, the Red Cross has developed a school curriculum called Masters of Disaster (www.redcross.org/disaster/masters) that addresses possible disasters in Montana and what students K-8 can do to help prepare their families for such emergency situations. It is a comprehensive curriculum that incorporates teaching standards so that it can be plugged in to existing educational goals in language arts, math, science, and social studies. Another component of this program is called Facing Fear, and gives teachers K-12 tools to help students and their families cope with disastrous events, both

Thu, 5/24/07 12:22 PM

Thu, 6/7/07 8:28 AM

3. Increase cooperation with Federal Agencies already trained in All Hazard Risk and Incident Command structure teams. Increase funding mechanisms to allow immediate use of the Federal Command Teams.

Thu, 5/24/07 7:40 AM

Find 4. wild life mitigation

Find

Find

5. Prepare for potential impacts of pandemic influenza outbreak.

natural and man-made, no matter how far away such events occurred.

Wed, 5/23/07 3:08 PM

Find Find

6. Develop executive orders that suspend the normal "standards of care" in a pandemic. Create a Wed, 5/23/07 1:52 PM State Task Force to examine and provide ethical guideance to health care providers and institutions in a pandemic situation.

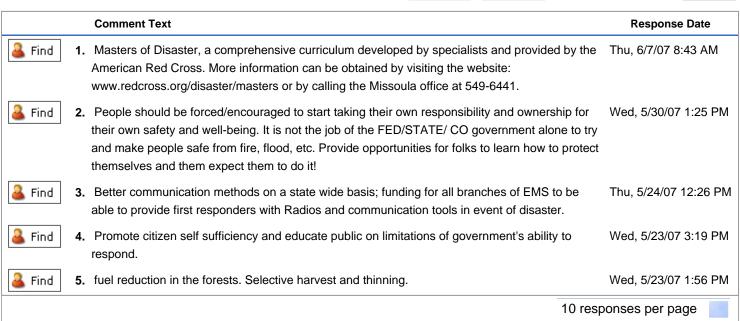
10 responses per page

Displaying 1 - 5 of 5 responses

<< Prev

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Jump To: 1



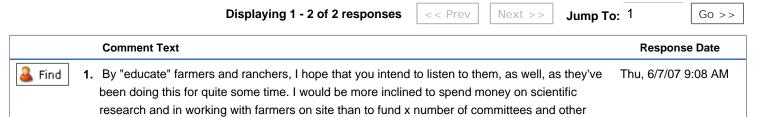
District 1 On-Line Survey - Additional Mitigation Projects for Goal 2

close window

	Displaying 1 - 3 of 3 responses	Go >>
	Comment Text	Response Date
🎎 Find	FUNDING FUNDING - assist small local groups with funding for Hazard Mitigation before the disaster occurs.	Thu, 5/24/07 12:26 PM
🎎 Find 🗆	2. Provide funding to map the numerous unrecognized floodplains across the State.	Wed, 5/23/07 3:08 PM
🎎 Find 💢	3. fuel reduction in the forests	Wed, 5/23/07 1:56 PM
	10 resp	oonses per page

District 1 On-Line Survey - Other Drought Mitigation Projects

close window



groups that may be more "fluff" than proactive bodies that get things done.

ଌ Find

2. Make flood irrigation illegal.

Wed, 5/30/07 1:30 PM

10 responses per page

District 1 On-Line Survey - Other Flood Mitiation Projects

close window

10 responses per page

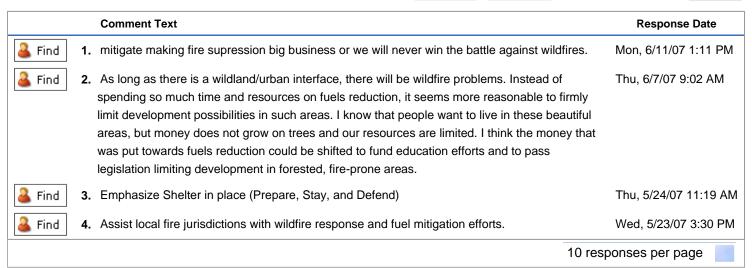
Displaying 1 - 2 of 2 responses << Prev Next >> Jump To: 1 Go >> **Comment Text Response Date** ଌ Find 1. I know that people along the Blackfoot corridor were upset at the ordinance restricting future Thu, 6/7/07 9:02 AM development in the floodplain. Because of that reaction, there needs to be more of an effort to include the public in all of these mitigation processes, and to make more of an effort to educate the public on why these decisions are made that essentially limit landowner's freedoms, which is a big deal in Montana. 蠭 Find 2. Provide planning assistance to local responders Thu, 5/24/07 11:19 AM

Displaying 1 - 4 of 4 responses

<< Prev

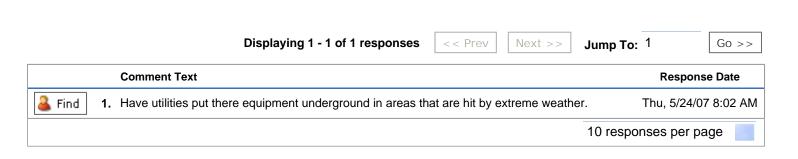
Next >>

Jump To: 1



District 1 On-Line Survey - Other Winter Weather Mitigation Projects

close window



Displaying 1 - 14 of 14 responses

<< Prev

Next >>

Jump To: 1

		Comment Text	Response Date
ଌ Find	1.	Septic systems in county, pharmicuticals	Thu, 6/21/07 9:40 AM
ଌ Find	2.	It will increase the possability	Mon, 6/11/07 12:49 PM
Find	3.	Montana's isolated clusters of population may become more connected with increased development, which would affect the ability for disease to spread	Thu, 6/7/07 8:20 AM
🊨 Find	4.	communicable disease spreads more readily in densly populated areas	Wed, 6/6/07 8:19 AM
ଌ Find	5.	high	Mon, 6/4/07 8:02 AM
ଌ Find	6.	More people, more easier for things to spread	Wed, 5/30/07 1:17 PM
& Find	7.	Critical - Hamilton Hospital could easily be maxed to capacity. Current Hospital based ambulance will be stretched to it's limits if not overwhelmed. Volunteer Services in outlying areas overwhelmed	Thu, 5/24/07 12:19 PM
ଌ Find	8.	No change	Thu, 5/24/07 10:58 AM
ઢ Find	9.	pandemic could occur	Thu, 5/24/07 9:41 AM
ଌ Find	10.	LOW	Thu, 5/24/07 7:36 AM
ଌ Find	11.	increased with denser populations	Thu, 5/24/07 4:23 AM
ଌ Find	12.	Increase	Wed, 5/23/07 3:47 PM
ଌ Find	13.	Increased population would increase the impact.	Wed, 5/23/07 2:57 PM
ଌ Find	14.	more development more people that live here that will get sick	Wed, 5/23/07 1:49 PM
		25 r	esponses per page

Displaying 1 - 15 of 15 responses

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Next >>

Jump To: 1

		Comment Text	Response Date
ઢ Find	1.	Will continue to be more prevalent with global warming	Fri, 6/15/07 9:31 AM
ଌ Find	2.	not much impact	Mon, 6/11/07 12:49 PM
♣ Find	3.	Droughts leading to wildfire I think will be more significant than the droughts themselve this point	s at Thu, 6/7/07 8:20 AM
ઢ Find	4.	more people, homes & businesses require more water	Wed, 6/6/07 8:19 AM
ઢ Find	5.	high	Mon, 6/4/07 8:02 AM
ଌ Find	6.	More people, less water and in a drought, that would be compounded	Wed, 5/30/07 1:17 PM
ଌ Find	7.	becoming less an issue with decline of agriculture	Wed, 5/30/07 11:19 AM
🎎 Find	8.	no impact	Thu, 5/24/07 12:19 PM
🎎 Find	9.	No change	Thu, 5/24/07 10:58 AM
🎎 Find	10.	economic	Thu, 5/24/07 9:41 AM
🎎 Find	11.	High	Thu, 5/24/07 7:36 AM
ઢ Find	12.	increased with additional development	Thu, 5/24/07 4:23 AM
ઢ Find	13.	Increase	Wed, 5/23/07 3:47 PM
ଌ Find	14.	Lessening as agricultural activity diminishes in our area.	Wed, 5/23/07 2:57 PM
ଌ Find	15.	More people use more water	Wed, 5/23/07 1:49 PM
			25 responses per page

Displaying 1 - 15 of 15 responses

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Jump To: 1

		Comment Text	Response Date
🎎 Find	1.	Damage to distribution systems, storage tanks, booster stations, WWTP facility	Thu, 6/21/07 9:40 AM
ઢ Find	2.	not much impact	Mon, 6/11/07 12:49 PM
ઢ Find	3.	With several towns on fault lines, earthquakes are a major concern of the Red Cross	Thu, 6/7/07 8:20 AM
🎎 Find	4.	more people, homes & businesses along fault lines increase potential for damage, dear injury	th & Wed, 6/6/07 8:19 AM
ଌ Find	5.	high	Mon, 6/4/07 8:02 AM
ઢ Find	6.	Pretty low here - more houses, more distruction	Wed, 5/30/07 1:17 PM
ଌ Find	7.	no develpemental impact	Wed, 5/30/07 11:19 AM
ଌ Find	8.	Could severly impact routes and methods to transport pts and supplies along HWY 93.	Thu, 5/24/07 12:19 PM
🎎 Find	9.	Some increased risk	Thu, 5/24/07 10:58 AM
ଌ Find	10.	more people to care for	Thu, 5/24/07 9:41 AM
ଌ Find	11.	Higher	Thu, 5/24/07 7:36 AM
ଌ Find	12.	ncreased with additional development near faultlines	Thu, 5/24/07 4:23 AM
ଌ Find	13.	No Change	Wed, 5/23/07 3:47 PM
& Find	14.	Risk will remain with areas of older construction as modern structures built to seizmic standards.	Wed, 5/23/07 2:57 PM
🊨 Find	15.	More people and buildings means more injury and damage	Wed, 5/23/07 1:49 PM
			25 responses per page

Displaying 1 - 12 of 12 responses

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Jump To: 1

		Comment Text	Response Date
ଌ Find	1.	not much impact	Mon, 6/11/07 12:49 PM
ଌ Find	2.	?	Thu, 6/7/07 8:20 AM
ଌ Find	3.	deforestation increases opportunity for landslides	Wed, 6/6/07 8:19 AM
ଌ Find	4.	medium	Mon, 6/4/07 8:02 AM
ଌ Find	5.	Not a lot of risk - low rainfall - probably not a problem unless some builder gets stupic	d Wed, 5/30/07 1:17 PM
ଌ Find	6.	improvements of highway could actualy mitigate	Wed, 5/30/07 11:19 AM
ଌ Find	7.	Large exposure due to impact on highway access	Thu, 5/24/07 10:58 AM
ଌ Find	8.	keeps going up	Thu, 5/24/07 7:36 AM
ଌ Find	9.	stripping vegetation to allow development increases the probability of landslides	Thu, 5/24/07 4:23 AM
ଌ Find	10.	No Change	Wed, 5/23/07 3:47 PM
ଌ Find	11.	May increase as hillside development continues	Wed, 5/23/07 2:57 PM
ଌ Find	12.	If development is placed on unstable ground there will be more damage	Wed, 5/23/07 1:49 PM
			25 responses per page

District 1 On-Line Survey-Impact of Future Development on Severe Summer Storms

close window

Displaying 1 - 11 of 11 responses

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Jump To: 1

		Comment Text	Response Date
Find	1.	Lightning strikes impacting power to water and sewer systems. Some generator backup, hot everywhere.	but Thu, 6/21/07 9:40 AM
ઢ Find	2.	no impact	Mon, 6/11/07 12:49 PM
ଌ Find	3.	Global climate change will continue to produce more intense storm cells	Thu, 6/7/07 8:20 AM
ଌ Find	4.	medium	Mon, 6/4/07 8:02 AM
ଌ Find	5.	Global warming could increase this - more houses, more impacts	Wed, 5/30/07 1:17 PM
ଌ Find	6.	No change	Thu, 5/24/07 10:58 AM
ઢ Find	7.	will effect more people	Thu, 5/24/07 9:41 AM
ଌ Find	8.	more people the hazards go up	Thu, 5/24/07 7:36 AM
ଌ Find	9.	No Change	Wed, 5/23/07 3:47 PM
ଌ Find	10.	Likely to increase with climate change and expansion of infrastructure to new development	nts. Wed, 5/23/07 2:57 PM
ଌ Find	11.	More development/people means more opportunities for damage	Wed, 5/23/07 1:49 PM
		25	responses per page

Displaying 1 - 14 of 14 responses

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		Comment Text	Response Date
& Find	1.	Low probability due to limited effects on population (size), but possible violent actions to distribution system, booster stations, wells, storage tanks, and sewer lift stations would have severe impact due to limited backup and rerouting.	Thu, 6/21/07 9:40 AM
ઢ Find	2.	not much impact	Mon, 6/11/07 12:49 PM
🊨 Find	3.	As the population grows and more technological industry is brought to Montana, there may be a growing number of desirable targets for terrorists	Thu, 6/7/07 8:20 AM
ઢ Find	4.	any economic center can be the target of terrorists. Eco-terrorism is alive and well in Missoula County.	Wed, 6/6/07 8:19 AM
ઢ Find	5.	high	Mon, 6/4/07 8:02 AM
ઢ Find	6.	We have the lab and more development makes for better targets for the terooists	Wed, 5/30/07 1:17 PM
ઢ Find	7.	violence incidents to increase with population	Wed, 5/30/07 11:19 AM
ଌ Find	8.	Increased risk with 2 Level 4 Bio Labs in the valley 12 miles away	Thu, 5/24/07 12:19 PM
ଌ Find	9.	No change	Thu, 5/24/07 10:58 AM
ଌ Find	10.	could increase	Thu, 5/24/07 9:41 AM
ଌ Find	11.	same	Thu, 5/24/07 7:36 AM
ଌ Find	12.	Increase	Wed, 5/23/07 3:47 PM
🎎 Find	13.	I don't see Missoula as a likely target for terrorism.	Wed, 5/23/07 2:57 PM
🎎 Find	14.	Montana is unlikely to be a target of outside terrorism but more development/people may mean more kooks or not	Wed, 5/23/07 1:49 PM
		25 res	sponses per page

District 1 On-Line Survey-Impact of Future Development on Volcanic Eruption Hazard

close window

Displaying 1 - 10 of 10 responses

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Jump To: 1

		Comment Text	Response Date
ଌ Find	1.	no impact	Mon, 6/11/07 12:49 PM
& Find	2.	If the Yellowstone caldera blows we're all going down, and in all seriousness, with the trend migration westward, such a catastrophe will mean more and more casualties as more folks come to live near the caldera region.	d in Thu, 6/7/07 8:20 AM
ଌ Find	3.	all equal opportunity disaster	Wed, 6/6/07 8:19 AM
ଌ Find	4.	low	Mon, 6/4/07 8:02 AM
ଌ Find	5.	not too likely unless Yellowstone blew it's top - more folks would mean more impacts	Wed, 5/30/07 1:17 PM
ଌ Find	6.	Unable to determine	Thu, 5/24/07 10:58 AM
ଌ Find	7.	none	Thu, 5/24/07 7:36 AM
ଌ Find	8.	No Change	Wed, 5/23/07 3:47 PM
ଌ Find	9.	Unlikely, but would have widespread and catostrophic result.	Wed, 5/23/07 2:57 PM
🎎 Find	10.	Depends on where the eruption is	Wed, 5/23/07 1:49 PM
		10	responses per page

Displaying 1 - 16 of 16 responses

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		Comment Text	Response Date
& Find	1.	Potential impact to outlying areas of system, but most aras around city of Hamilton are open and not at risk. Potential damage to WWTP from wildfire along river, as well as storage tank on outskirt of city.	Thu, 6/21/07 9:40 AM
🊨 Find	2.	high impact with more and more people living in the interface	Mon, 6/11/07 12:49 PM
Find	3.	With warmer years and less snowpack, and a build up of fuels from years of preventative management tactics, we could have some very serious forest fires. With an increase in affluent migrants from other parts of the country building homes on the wildland/urban interface and without much knowledge of Rocky Mountain ecological processes, the elements are in place for serious conflict between fire and people.	Thu, 6/7/07 8:20 AM
♣ Find	4.	more people, homes & businesses encroaching into wooded areas without proper protective measures increases the risk of damage caused by wildfire	Wed, 6/6/07 8:19 AM
ଌ Find	5.	high	Mon, 6/4/07 8:02 AM
ଌ Find	6.	Potential is high here and with more folks in the interface, more likely to have losses.	Wed, 5/30/07 1:17 PM
🊨 Find	7.	encrouchment of forest interface =more evac/protection plans	Wed, 5/30/07 11:19 AM
& Find	8.	Extreme Impacts with increased population base moving next to forest boundary in WUI areas	Thu, 5/24/07 12:19 PM
🎎 Find	9.	Very large increase in exposure	Thu, 5/24/07 10:58 AM
🎎 Find	10.	tremendous impact	Thu, 5/24/07 9:41 AM
🎎 Find	11.	more people moving to the woods	Thu, 5/24/07 7:36 AM
ଌ Find	12.	increased as homes encroach upon wild	Thu, 5/24/07 4:23 AM
🊨 Find	13.	Increase	Wed, 5/23/07 3:47 PM
& Find	14.	Significant growth is taking place in the wildland urban interface which is a significant hazard in the valley. Zoning is necessary to reduce the risks of this risky development.	Wed, 5/23/07 3:04 PM
🎎 Find	15.	Risk increases as development continues in interface areas.	Wed, 5/23/07 2:57 PM
♣ Find	16.	If no efforts are made to require defensible space and fuel reduction/thinning doesn't occur then we will continue to experience the same	Wed, 5/23/07 1:49 PM
		25 res	ponses per page

District 1 On-Line Survey-Impact of Future Development on Hazardous Material Incidents

close window

Displaying 1 - 15 of 15 responses

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		Comment Text	Response Date
🊨 Find	1.	Impact to distribution system for water and storm drainage, plus agricultural water district ditches	Thu, 6/21/07 9:40 AM
🎎 Find	2.	increased traffic and population will play a role	Mon, 6/11/07 12:49 PM
♣ Find	3.	I think this depends on the fluxuation of the amount of hazardous material transported to through Missoula and the amount of future development along these corridors	or Thu, 6/7/07 8:20 AM
🎎 Find	4.	several railroads run through Missoula county and carry a myraid of hazardous materials	. Wed, 6/6/07 8:19 AM
🎎 Find	5.	low	Mon, 6/4/07 8:02 AM
ઢ Find	6.	More people, more chances of exposure,	Wed, 5/30/07 1:17 PM
ઢ Find	7.	increased traffic potential for more occurences	Wed, 5/30/07 11:19 AM
ઢ Find	8.	Slight increase	Thu, 5/24/07 10:58 AM
ઢ Find	9.	more people to protect	Thu, 5/24/07 9:41 AM
ઢ Find	10.	keeps going up	Thu, 5/24/07 7:36 AM
ઢ Find	11.	already high in urban areas and along rr tracks	Thu, 5/24/07 4:23 AM
ଌ Find	12.	Increase	Wed, 5/23/07 3:47 PM
♣ Find	13.	The Rocky Mountain Lab and Glaxo Smith Kline facilities are situated in relatively high density area and are concerningly close to the floodplain.	Wed, 5/23/07 3:04 PM
ઢ Find	14.	Impact will increase as population densities increase	Wed, 5/23/07 2:57 PM
ઢ Find	15.	More development/people means more chemicals and opportunities for exposure	Wed, 5/23/07 1:49 PM
		25	5 responses per page

Displaying 1 - 16 of 16 responses

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Jump To: 1

		Comment Text	Response Date		
🎎 Find	1.	Low chance of flooding in Biteroot, possible impact to WWTP, but low probability	Thu, 6/21/07 9:40 AM		
ଌ Find	2.	not much impact	Mon, 6/11/07 12:49 PM		
Find	3.	As long as development continues to be restricted along floodplain areas, this shouldn't be a huge issue. Our main concern is losing a bridge that may strand a community like Hamilton	Thu, 6/7/07 8:20 AM		
🎎 Find	4.	more people, homes & businesses within the 100 year flood plain increases opportunity for life & property loss	Wed, 6/6/07 8:19 AM		
🊨 Find	5.	high	Mon, 6/4/07 8:02 AM		
ઢ Find	6.	Pretty low here - need to stay out of the flood plain	Wed, 5/30/07 1:17 PM		
🎎 Find	7.	require more resources	Wed, 5/30/07 11:19 AM		
🊨 Find	8.	Possible loss of bridges connecting small rural community with larger areas - Missoula and Hamilton	Thu, 5/24/07 12:19 PM		
ଌ Find	9.	Significant increase in exposure	Thu, 5/24/07 10:58 AM		
ઢ Find	10.	more damage to life and property	Thu, 5/24/07 9:41 AM		
ઢ Find	11.	people building in low lying areas	Thu, 5/24/07 7:36 AM		
🎎 Find	12.	ncreased with additional development in flood plains	Thu, 5/24/07 4:23 AM		
🎎 Find	13.	No Change	Wed, 5/23/07 3:47 PM		
♣ Find	14.	Uncontrolled development in floodplains and dam inundation areas will critically disrupt routine activities and could result in many casualties.	Wed, 5/23/07 3:04 PM		
🎎 Find	15.	Risk will increase as more structures are built in flood prone areas.	Wed, 5/23/07 2:57 PM		
🎎 Find	16.	More people living near the water means more damage from floods and dam failure	Wed, 5/23/07 1:49 PM		
	25 responses per page				

Displaying 1 - 14 of 14 responses

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Jump To: 1

		Comment Text	Response Date
🎎 Find	1.	Impacts to WWTP likely if storm is severe. Extreme low temperatures could affect lift stations, pumps, and distribution lines, plus possible power outages.	Thu, 6/21/07 9:40 AM
ଌ Find	2.	May become less prevalent in the valleys with global warming	Fri, 6/15/07 9:31 AM
ଌ Find	3.	no impact	Mon, 6/11/07 12:49 PM
& Find	4.	While our climate is warming, the capacity for more intense winter storms is also there. It seems as though these storms are mainly dropping snowfall at elevations above the Missou valley floor, climate seems unpredictable at this juncture. With our limited highway system in Montana, if I-90 is impassable to Alberton, those Mineral County population centers could be stranded.	า
ଌ Find	5.	medium	Mon, 6/4/07 8:02 AM
ଌ Find	6.	Not a big problem here - more winter users might make for more problems.	Wed, 5/30/07 1:17 PM
ଌ Find	7.	more recreationist in danger zones/ increase SAR responses	Wed, 5/30/07 11:19 AM
ଌ Find	8.	Can have impacts with loss of power and no backup heat or food sources available.	Thu, 5/24/07 12:19 PM
ଌ Find	9.	Some increased risk	Thu, 5/24/07 10:58 AM
ଌ Find	10.	will effect more people	Thu, 5/24/07 9:41 AM
ଌ Find	11.	globle warming will change this	Thu, 5/24/07 7:36 AM
🎎 Find	12.	No Change	Wed, 5/23/07 3:47 PM
♣ Find	13.	Impact will increase with new construction and expansion of infrastructure to new developments.	Wed, 5/23/07 2:57 PM
ଌ Find	14.	Big enough storms will drive the weak of heart back home.	Wed, 5/23/07 1:49 PM
		25 r	responses per page

2007 UPDATE TO THE STATE OF MONTANA MULTI-HAZARD MTIGATION PLAN AND STATEWIDE HAZARD ASSESSMENT

Mitigation Projects

DES DISTRICT 1

GOAL 1 - Maximize the use of mitigation actions that prevent losses from all hazards.

OBJECTIVE 1.1 - Increase readiness for the protection of life and property during an event.

Deer Lodge County

Medium Priority

- Install generators to maintain water services and waste water treatment.
- Designate a location for the Anaconda-Deer Lodge Emergency Operations Center.

Flathead Reservation

High Priority

- Provide training to first responders.
- Recruit EMT volunteers through public outreach.

Granite County

Medium Priority

- Develop evacuation plans for the communities.

Lake County

High Priority

- Recruit EMT volunteers through public outreach.
- Provide training to first responders.

Mineral County

Low Priority

- Provide generators for essential facilities to ensure operations during power disruption.
- Develop program for affected communities/vulnerable populations to acquire generators during power failures.
- Mapping and location of potential egress routes from communities during disasters.

Missoula County

Medium Priority

- Install weather stations on Deer Mountain and Point 118 (completed).

Powell County

High Priority

- Provide back-up power generation for Powell County Sheriff's Office and County Jail.
- Upgrade back-up power generation for the Powell County Hospital and Nursing Home.

Ravalli County

Medium Priority

- Assess countywide ingress/egress conflicts related to hazard responsiveness and evacuations.

Sanders County

High Priority

- Provide training to first responders.
- Recruit EMT volunteers through public outreach.
- Install/construct an EOC

OBJECTIVE 1.2 - Enable every citizen in Montana to receive critical warning information immediately no matter where he/she is.

Deer Lodge County

Medium Priority

- Put NOAA Weather Radios in critical facilities and schools.

Flathead Reservation

High Priority

- Enhance NOAA broadcasts to include Reservation boundary.
- Move antennae's, towers and repeaters from Oliver Point to Jette Hill for year-round accessibility.
- Provide weather radios for various critical facilities.
- Install or construct an EOC.

DES DISTRICT 1

GOAL 1 - Maximize the use of mitigation actions that prevent losses from all hazards.

OBJECTIVE 1.2 - Enable every citizen in Montana to receive critical warning information immediately no matter where he/she is.

Granite County

Medium Priority

- Put NOAA Weather Radios in critical facilities and schools.
- Place a NOAA Weather Radio Transmitter in Philipsburg.

Lake County

High Priority

- Provide weather radios for various critical facilities.
- Install/construct an EOC.
- Move antennas, towers and repeaters from Oliver Point to Jette Hill for year-round accessibility.
- Enhance NOAA broadcasts to include county boundary.

Mineral County

Low Priority

- Additional cell towers to improve cellular communication.
- Evaluation of possible communications systems that can effectively reach all portions of the County.

Missoula County

High Priority

- Implement reverse 911 capabilities.

Medium Priority

- Upgrade EAS System for all hazard warning/communication by installing EAS encoder/decoder in 911 dispatch (in progress).
- Implement enhance 911 capabilities (completed).
- Install NOAA weather radios in public buildings and other appropriate locations.

Ravalli County

Medium Priority

- Implement reverse 911 and enhanced 911 capabilities.
- Upgrade EAS System for all hazard warning/communication by installing EAS encoder/decoder in 911 dispatch.

Sanders County

High Priority

- Provide weather radios for various critical facilities.
- Enhance NOAA broadcasts to include County boundary.

Silver Bow County

Medium Priority

- Put NOAA Weather Radios in the schools.
- Create a dedicated phone system for parent information on school evacuations.

OBJECTIVE 1.3 - Increase the public awareness of hazards.

Mineral County

Low Priority

- Education on safe egress from communities during disasters.
- Information about the potential hazards that can affect the community.

Missoula County

Medium Priority

- National Weather Service to provide weather education presentations and tours to educate the public on weather hazards.
- Targeted education and information to public officials on fuel mitigation and general hazard mitigation.

DES DISTRICT 1

GOAL 1 - Maximize the use of mitigation actions that prevent losses from all hazards.

OBJECTIVE 1.3 - Increase the public awareness of hazards.

Ravalli County

Medium Priority

 National Weather Service to provide weather education presentations and tours to educate the public on weather hazards.

OBJECTIVE 1.4 - Continuously improve hazard assessments and the associated evaluation of vulnerabilities from all hazards.

Deer Lodge County

Medium Priority

- Develop GIS data that can be used with FEMA's HAZUS loss estimated models.
- Train Anaconda-Deer Lodge County Department heads and engineers in hazard mitigation.

Granite County

Medium Priority

- Develop GIS data that can be used with FEMA's HAZUS loss estimation models.

Mineral County

Low Priority

- Mapping and locations of each residence within the County.
- Mapping locations of all residences within the County.

Missoula County

Medium Priority

- Assess model regulations in other counties to ensure hazard mitigation is continuous and ongoing.

GOAL 3 - Reduce the community impacts of wildland and rangeland fires.

OBJECTIVE 3.1 - Enhance firefighting resources and improve firefighting capabilities.

Deer Lodge County

Medium Priority

- Develop dry hydrant water supplies in wildland/urban interface areas.
- Upgrade hydrants in the east end of Anaconda.

Flathead Reservation

High Priority

- Provide additional training to fire fighters.

Granite County

Medium Priority

- Develop dry hydrant water supplies in the Georgetown Lake area.

Lake County

High Priority

- Provide additional training to fire fighters.
- Obtain 26-30 foot all-hazard boat with fire fighting unit capable of rescue evacuation for Flathead Lake/Island residents.

Lincoln County

High Priority

- Identify areas with high number of fire starts and inadequate suppression equipment.
- Provide for shared database between fire suppression agencies on road closures, water sources, fuel ratings, district boundaries, ignition hazards and railroads.
- Develop water storage capability and water supply sites to enhance fire-fighting capability.
- Improve fire agency infrastructure (training facility; additional fire equipment storage; enhanced communications systems).

DES DISTRICT 1

GOAL 3 - Reduce the community impacts of wildland and rangeland fires.

OBJECTIVE 3.1 - Enhance firefighting resources and improve firefighting capabilities.

Powell County

Medium Priority

- Construct an additional 15 dry fire hydrants in the County.

Sanders County

High Priority

- Provide additional training to fire fighters.

Silver Bow County

Medium Priority

- Promote sprinkler system installation in older commercial structures.

OBJECTIVE 3.2 - Reduce fuels in the wildland urban interface (WUI), rangeland and communities.

Deer Lodge County

Medium Priority

- Promote sprinkler installations in older commercial structures.
- Encourage homeowners to reduce fuels around structures and create a fire defensible space.

Granite County

Medium Priority

- Encourage homeowners to reduce fuels around structures and create a fire defensible space.
- Reduce fuels in the Maxville Highway 1 corridor.

Lincoln County

High Priority

- Institute fuel control activities, such as thinning and fire breaks, particularly near more highly populated areas.
- Support alternative methods to burning when reducing fuel hazards, such as chipping and harvest.
- Institute weed control measures (mowing) around towns.

Mineral County

High Priority

- Implement fuel mitigation projects as designated in the Community Fire Plan.
- Encourage/support fuel mitigation projects in federal lands.

Medium Priority

- Encourage/provide financial incentive for fuel reduction around homes.

Missoula County

High Priority

- Fuel mitigation projects throughout the County identified in Community Fire Plan.

Medium Priority

- Encourage fuel reduction around homes in Wildland Residential Interface.
- Encourage/support fuel mitigation projects in federal lands near Wildland Residential Interface areas.
- Develop guidance/rules for maintaining defensible space around existing structures in Wildlife Residential Interface.

Ravalli County

High Priority

- Complete fuel mitigation projects as identified and prioritized in the Community Fire Plan.

Medium Priority

 Develop guidance/rules for maintaining defensible space around existing structures in Wildland Urban Interface.

Silver Bow County

Medium Priority

- Promote USFS fuels reduction in the Basin Creek watershed.
- Expand existing hazard fuels reduction programs to other wildland-urban interface areas.

DES DISTRICT 1

GOAL 3 - Reduce the community impacts of wildland and rangeland fires.

OBJECTIVE 3.3 - Enhance community awareness of wildfires through education.

Flathead Reservation

High Priority

- Formulate community awareness projects that instill Firewise practices.

Lake County

High Priority

- Formulate community awareness projects that instill Firewise practices.

Lincoln County

High Priority

- Educate landowners about alternatives to burning slash such as chipping or community dump.
- Promote "fire wide" education efforts in communities and schools.

Mineral County

Medium Priority

- Provide/prepare educational material to inform public about wildfire risks.

Sanders County

High Priority

- Formulate community awareness projects that instill Firewise practices.

OBJECTIVE 3.4 - Accurately assess and address the current wildland urban interface problems at the subdivision level.

Deer Lodge County

Medium Priority

- Adopt the Uniform Fire Code for the wildland/urban interface areas.
- Revise subdivision regulations with a better focus on defensible space/maintenance requirements in the wildland/urban interface.

Flathead Reservation

High Priority

- Work with federal, state and groups studying effects on wildfire at urban interface.

Granite County

Medium Priority

- Revise subdivision regulations with a better focus on defensible space/maintenance requirements in the wildland/urban interface.
- Conduct individual WUI wildfire assessments.

Lake County

High Priority

- Work with federal, state and groups studying effects on wildfire at urban interface.

Missoula County

Medium Priority

 Revise subdivision regulations to require sufficient fire suppression water supplies for subdivisions in Wildlife Residential Interface.

Powell County

Medium Priority

- Participate with the BLM to provide cost-share funds to residents to fire proof their homes.

Ravalli County

Medium Priority

 Revise subdivision regulations to require sufficient fire suppression water supplies for subdivisions in Wildland Urban Interface.

Sanders County

High Priority

- Work with federal, state and groups studying effects on wildfire at urban interface.

DES DISTRICT 1

GOAL 3 - Reduce the community impacts of wildland and rangeland fires.

OBJECTIVE 3.5 - Enhance effectiveness of response and evacuation.

Flathead Reservation

High Priority

- Obtain 26-30 foot all-hazard boat with fire fighting unit capable of rescue evacuation for Flathead Lake/island residents.
- Provide egress/ingress to roads land-locked in event of wildfire.

Granite County

Medium Priority

- Improve ingress/egress options in existing subdivisions.

Lake County

High Priority

- Provide egress/ingress to roads land-locked in event of wildfire.

Lincoln County

High Priority

- Use enhance 911 inventory to identify residences and critical infrastructure.

Mineral County

High Priority

- Develop safe ingress/egress routes for homes in the WUI.

Medium Priority

- Encourage greater initial response and active night time fighting of wildland fires.
- Training of local officials to effectively coordinate evacuation.

Sanders County

High Priority

- Provide egress/ingress to roads land-locked in event of wildfire.

OBJECTIVE 3.6 - Establish mapping or record keeping practices to support fuel management strategies.

Mineral County

Medium Priority

- Map/locate structures in wildland/urban interface.

Missoula County

Medium Priority

- Identify/map areas with heavy fuels near populated areas.
- Promulgate ordinances/resolutions requiring that structures be geo-referenced.
- Promulgate ordinances/resolutions requiring addresses for all new parcels created through subdivision or other means
- Promulgate ordinances/resolutions requiring addresses for all existing parcels.
- Map/locate structures in wildland/residential interface.

Powell County

Medium Priority

- Realign fire district boundaries so the entire County is covered by a Fire District.

Silver Bow County

Medium Priority

- Support the Butte Fire Protection Association in expanding a wildland fire management committee consisting of Silver Bow, state and federal departments with a wildland-urban interface to coordinate planning, training, prevention and suppression.

DES DISTRICT 1

GOAL 5 - Mitigate the potential loss of life and property from flooding.

OBJECTIVE 5.1 - Provide adequate warning of flooding events.

Flathead Reservation

High Priority

- Institute communications system with local radio stations informing land owners of seasonal floods.

Lake County

High Priority

- Institute communications system with local radio stations informing land owners of seasonal floods.

Mineral County

Medium Priority

- Training of local officials to effectively coordinate evacuations.

Missoula County

Medium Priority

- Encourage use of NOAA weather radios to residences in hazardous areas subject to flooding or mudslides (completed).
- Install river gauge with telemetry below east fork of Rock Creek to notify downstream communities of flood surges.

Ravalli County

Medium Priority

- Install siren warning systems in campgrounds below Painted Rocks and Como Lake.
- Install river gauge with telemetry above and below Painted Rocks and Lake Como to identify potential breach/flood surge.

Sanders County

High Priority

- Institute communications system with local radio stations informing land owners of seasonal floods.

OBJECTIVE 5.2 - Reduce the number of current and future structures in the floodplain.

Missoula County

High Priority

- Adopt regulations enforcing no-build zones in floodplains and flood prone zones.

Medium Priority

- Require floodplain modeling for all subdivisions in unmapped drainages.
- Revise subdivision regulations to assess groundwater flooding potential.

Ravalli County

Medium Priority

 Modify subdivision regulations to require floodplain modeling for all new subdivisions in unmapped drainages.

Silver Bow County

Medium Priority

- Educate builders on building specifications and floodplain building requirements.

OBJECTIVE 5.3 - Prevent flooding of structures and infrastructure.

Deer Lodge County

Medium Priority

- Install storm drains in areas where they are lacking in the west end of Anaconda.
- Mitigate damages to critical facilities in the 100-year floodplain.
- Prevent flood contamination of well houses serving the Anaconda public water system.
- Install culverts and raise roadbed on North Fork Road off the Big Hole Highway from Bacon's Home Ranch to the county line.
- Relocate and upgrade culverts on Morrel Road from the Old Opportunity landfill to Gas City Road.
- Install backflow prevention systems from the Anaconda waste water facility.
- Upgrade and maintain storm drains from Fourth Street to the smelter.

DES DISTRICT 1

GOAL 5 - Mitigate the potential loss of life and property from flooding.

OBJECTIVE 5.3 - Prevent flooding of structures and infrastructure.

Deer Lodge County

Medium Priority

- Replace bridge in Galen.
- Clear debris from around old bridges.

Flathead Reservation

Medium Priority

 Replace deteriorated bridges on Little Bitterroot, Jocko, Flathead River and Boulder Creek to withstand heavy rain/melting snow.

Granite County

Medium Priority

- Increase the capacity of the downtown Philipsburg storm drain for Camp Creek to prevent Broadway Street flooding.
- Increase the capacity of the Sansome Street culvert in Philipsburg on Frost Creek.
- Increase the capacity of the culvert under Highway 10A in Drummond.

Lake County

Medium Priority

- Replace deteriorated bridges on Little Bitterroot, Jocko, Flathead River and Boulder Creek to withstand heavy rain/melting snow.

Lincoln County

Medium Priority

- Complete engineering evaluation of additional flood control measures within 100-year flood plain in Libby and other identified flood prone areas.
- Improve roads and road drainage to withstand flood flows in selected areas.
- Evaluate bridges and culverts at risk from flooding and develop schedule and funding to replace or upgrade as necessary.

Mineral County

Medium Priority

- Ensure water supplies are protected from bacterial contamination after flooding events.
- Debris removal from culverts in developed areas.

Low Priority

- Build community sewer systems for subdivisions with septic systems located in the 100 year floodplain.

Missoula County

High Priority

- Construction of Grant Creek Flood Control and Restoration Project.

Medium Priority

- Improve dike system along the Clark Fork River near 3rd and Tower Street.
- Assess feasibility of explosives for breaking up ice jams.
- Identify critical access bridges and evaluate potential for damage from debris.
- Require all floodplain modeling projects to analyze February/March runoff and spring runoff event.
- Complete structural analysis of bridges in County that have a low scour potential index.

Powell County

High Priority

- Replace two bridges on Cottonwood Creek with structures having a capacity of 950 CFS.
- Facilitate funding for the State of Montana to replace the Main Street bridge.
- Expand particular portions of the Cottonwood Creek channel to accommodate a flow of 950 cfs.
- Acquire 6-8 structures to accommodate the Cottonwood Creek channel expansion.
- Construct a flood channel around the City of Deer Lodge to accommodate 200-250 cfs of flood flow.
- Construct a debris basin and water control structure to route the appropriate amount of flood water down Cottonwood Creek and down the flood channel around the City of Deer Lodge.

DES DISTRICT 1

GOAL 5 - Mitigate the potential loss of life and property from flooding.

OBJECTIVE 5.3 - Prevent flooding of structures and infrastructure.

Powell County

Medium Priority

- Reconstruct East Side Road and install adequate cross drain structures.
- Reshape and provide drainage structures on Bismark Hill Road to prevent water from running down the road and cause flooding along Taylor Creek.
- Replace nine County bridges which have a hydraulic sufficiency rating of 4 or less.

Ravalli County

High Priority

- Complete floodplain/flood prone area delineation on all urban/developed streams.
- Identify critical access bridges and evaluate potential for damage from debris.

Medium Priority

- Revise subdivision regulations to assess groundwater flooding potential.
- Revise probably maximum flood projections for Painted Rocks and Lake Como based on enhanced digital elevation models and improved flood modeling software.
- Complete structural analysis of bridges in County that have a low scour potential index.
- Require all floodplain modeling projects to analyze February/March runoff and spring runoff events.

Silver Bow County

Medium Priority

- Increase stormwater systems in poor drainage areas.
- Install culverts in areas where water runoff is needed.

OBJECTIVE 5.5 - Improve the effectiveness of the flood insurance programs.

Deer Lodge County

Medium Priority

- Educate the public on flood insurance.

Flathead Reservation

High Priority

- GPS homes along Flathead and Little Bitterroot rivers.

Granite County

Medium Priority

- Educate the public on flood insurance.

Lake County

High Priority

- GPS homes along Flathead and Little Bitterroot River.

Lincoln County

Medium Priority

- Obtain and disseminate revised flood plain mapping to increase knowledge of flood prone areas.

Mineral County

Medium Priority

- More detailed floodplain delineation in areas of frequent flooding (St. Regis).

Sanders County

High Priority

- GPS homes along Flathead and Clark Fork River.

Silver Bow County

Medium Priority

- Educate the public on flood insurance.

DES DISTRICT 1

GOAL 5 - Mitigate the potential loss of life and property from flooding.

OBJECTIVE 5.6 - Reduce the risk of dam or levee failure.

Deer Lodge County

Medium Priority

- Implement security measures at the dams.

Missoula County

Medium Priority

- Improve the dike system along the Bitterroot River near Lolo.

GOAL 6 - Reduce impacts from severe winter weather.

OBJECTIVE 6.1 - Increase community capabilities to mitigate winter weather hazards.

Deer Lodge County

Medium Priority

- Become a National Weather Service Storm Ready County.
- Develop a sheltering plan specifically for utility outages.
- Install generators at elder care facilities.

Flathead Reservation

Medium Priority

- Provide emergency generators to hospitals, EOC, jail, rest homes and Tribal Health.

Granite County

Medium Priority

- Become a National Weather Service Storm Ready Community.
- Install generators at critical facilities, especially the Sheriff's office/911 center.
- Develop a sheltering plan specifically for utility outages.
- Encourage the electric companies to improve maintenance of and around power lines and substations.

Lake County

Medium Priority

- Provide emergency generators to hospitals, EOC, jail, rest homes.

Mineral County

Medium Priority

- Install additional early warning weather stations to predict hazardous weather conditions.

Missoula County

Medium Priority

- Install road sensors in key urban roads to identify freezing/dangerous road conditions.
- Identify public buildings by building type that may be susceptible to structural failures from heavy snow loads
- Install webcams in key locations on urban roads to facilitate real-time identification of hazardous road conditions.

Ravalli County

Medium Priority

- Identify public buildings by building type that may be susceptible to structural failures from heavy snow loads.

Sanders County

Medium Priority

- Provide emergency generators to hospitals, EOC, jail and rest homes.

Silver Bow County

Medium Priority

- Work with special needs populations on alternative heating systems.
- Coordinate with volunteer agencies on sheltering in difficult weather conditions.
- Develop disaster supply kits for special needs facilities.

DES DISTRICT 1

GOAL 6 - Reduce impacts from severe winter weather.

OBJECTIVE 6.2 - Increase public awareness of winter weather hazards.

Mineral County

Medium Priority

- Develop educational materials regarding snow loads on roofs and safe removal.

GOAL 7 - Reduce impacts from severe summer weather.

OBJECTIVE 7.2 - Increase public awareness of ways to mitigate summer weather hazards.

Missoula County

Medium Priority

- Disseminate information to public on reducing property damage from high winds.

Ravalli County

Medium Priority

- Disseminate information to public on reducing property damage from high winds.

GOAL 8 - Reduce losses from hazardous material incidents.

OBJECTIVE 8.1 - Provide education, training on haz-mat incidents and response.

Deer Lodge County

Medium Priority

- Establish a back emergency exit from Montana State Hospital.

Flathead Reservation

Medium Priority

- Provide HAZMAT training and software to emergency managers.

Lake County

Medium Priority

- Provide HAZMAT training and software to emergency managers.

Lincoln County

Low Priority

- Improve training of first responders.
- Improve emergency communications network throughout the county.

Mineral County

Low Priority

- Conduct training exercises for hazardous material spills from both railroad and highway transport.

Sanders County

Medium Priority

- Provide HAZMAT training and software to emergency managers.

Silver Bow County

High Priority

 Educate teachers and school staff in schools near hazardous materials facilities and transportation routes in how to limit exposure to hazardous materials to students during an incident.

OBJECTIVE 8.2 - Identify and secure hazardous materials locations and transporters.

Deer Lodge County

Medium Priority

- Protect the exposed natural gas lines near Warm Springs.

Flathead Reservation

High Priority

- Replace 1939 vintage pumping plant on Flathead River.
- Secure bulk petroleum and propane tanks with fencing.

DES DISTRICT 1

GOAL 8 - Reduce losses from hazardous material incidents.

OBJECTIVE 8.2 - Identify and secure hazardous materials locations and transporters.

Flathead Reservation

Medium Priority

- Recontour Skyline Drive and provide new guard rail.
- Work with neighboring counties to discontinue dumping tires on Tribal land.
- Install fencing and alarm system at water treatment plant and water supply wells.

Granite County

Medium Priority

- Place highway barriers along Interstate 90 in Drummond.

Lake County

High Priority

- Secure bulk petroleum and propane tanks with fencing.

Medium Priority

- Recontour Skyline Drive and provide new guard rail.

Mineral County

Low Priority

- Improve 25 mph railroad curves near Superior.
- Examine high accident rates on Interstate 90 and work with MDT to reduce the hazards causing truck accidents and hazardous material spills.
- Ensure fixed facilities have toxic release plans that identify hazards and potential exposed areas in the event of a release.
- Obtain regular reports from MRL on the hazardous material flow through the County.

Powell County

Low Priority

- Monitor the hauling of contaminated sediments through Powell County.
- Provide adequate and legal egress for residents of Elliston & Garrison should a train derailment block their escape routes.

Sanders County

High Priority

- Secure bulk petroleum and propane tanks with fencing.

Medium Priority

- Install fencing and alarm system at water treatment plant and water supply wells.
- Work with CSKT to discontinue dumping tires on county land.

OBJECTIVE 8.3 - Support hazardous materials regulations and agreements.

Mineral County

Medium Priority

- Cooperative agreements with MRL and County to ensure rail lines are effectively inspected and maintained.
- **GOAL 9** Reduce potential earthquake losses in seismically prone areas.

OBJECTIVE 9.2 - Educate the public in earthquake mitigation and readiness.

Deer Lodge County

Medium Priority

- Conduct earthquake drills in schools.

Granite County

Medium Priority

- Conduct earthquake drills in the schools.

DES DISTRICT 1

GOAL 9 - Reduce potential earthquake losses in seismically prone areas.

OBJECTIVE 9.2 - Educate the public in earthquake mitigation and readiness.

Silver Bow County

Medium Priority

- Educational awareness for students on earthquake safety.
- Educational awareness for the general public on the earthquake hazard.
- In-depth fault study and digital mapping.
- Create policies for where structures can and cannot be built based on the hazard information.

OBJECTIVE 9.3 - Seismically retrofit existing critical facilities/infrastructure and government assets.

Deer Lodge County

Medium Priority

- Retrofit critical government facilities for earthquakes.
- Educate home and business owners on simple earthquake retrofits.
- Survey commercial structures for earthquake stability and recommend retrofits.

Granite County

Medium Priority

- Retrofit critical government facilities for earthquakes.
- Educate home and business owners on simple earthquake retrofits.
- Survey commercial structures for earthquake stability and recommend retrofits.

OBJECTIVE 9.4 - Implement non-structural mitigation projects to harden State and community assets and infrastructure from seismic hazards.

Deer Lodge County

Medium Priority

- Tie down/secure objects in schools that could fall during an earthquake.
- Seismically stabilize large glass panes in Dwyer Primary School and Anaconda High School.
- Inspect key bridges for seismic stability.

Granite County

Medium Priority

- Inspect key bridges for seismic stability.
- Tie down/secure objects in schools that could fall during an earthquake.

Silver Bow County

Medium Priority

- Using shatter-proofing techniques, strengthen windows in schools.
- Tie down/secure objects in schools that could fall during an earthquake.

GOAL 10 - Reduce the likelyhood of communicable disease outbreaks.

OBJECTIVE 10.1 - Reduce losses associated with a human health emergency.

Deer Lodge County

Medium Priority

- Educate public on communicable disease.

Flathead Reservation

Medium Priority

- Investigate mitigation options for West Nile Virus.

Granite County

Medium Priority

- Create a public education communicable disease prevention program.

Lake County

Medium Priority

- Investigate mitigation options for West Nile Virus.

DES DISTRICT 1

GOAL 10 - Reduce the likelyhood of communicable disease outbreaks.

OBJECTIVE 10.1 - Reduce losses associated with a human health emergency.

Sanders County

Medium Priority

- Investigate mitigation options for West Nile Virus.

GOAL 11 - Encourage mitigation of potentially devastating but historically less frequent hazards.

OBJECTIVE 11.1 - Prevent losses from acts of terrorism, violence and civil unrest.

Lake County

High Priority

- Replace 1939 vintage pumping plant on Flathead River.

Medium Priority

- Install fencing and alarm system at water treatment plant and water supply wells.

Silver Bow County

Medium Priority

- Implement security systems in schools.
- Educate nursing home operators and residents on physical security.
- Implement security systems in hospitals.

OBJECTIVE 11.2 - Identify and reduce potential losses from landslides and avalanches.

Silver Bow County

Medium Priority

- Create a landslide/avalanche technical committee.
- Implement a recommendation system for development near landslide areas.

Low Priority

- Study potential landslide areas on and near private lands in more detail.